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**INTELLECTUAL PROPERTY DEPARTMENT**  
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From: T. DANIEL CHRISTENBURY / LESLIE HODD

Date: MARCH 9, 2004

Re: <sup>SERIAL #</sup> U.S. 10/045,316

Docket No.: 1321-01

Number of Pages (including cover page): 24

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Additional Instructions/Comments: PER YOUR REQUEST, ATTACHED IS  
COPY OF AMENDMENT DATED  
MAY 13, 2003 AND FILED MAY 15, 2003

U.S. Serial No. 10/045,316 filed 11/07/01 for Hiroki Nakamaru et al. entitled  
REMEDIAL METHOD OF MEDIA AND IRON POWDER FOR  
DEHALOGENATION OF HYDROGENATED HYDROCARBONS

Dated: May 13, 2003

Docket No.: 1321-01

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Sir: Kindly date stamp this card and return it to the undersigned to evidence receipt of the enclosed Certificate of Mailing, Amendment Transmittal Letter, in duplicate, Amendment and extract from Homepage of Fisher Scientific. Thank you.

T. Daniel Christenbury  
:lh



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1754  
Examiner : Anthony J. Kuhar  
Serial No. : 10/045,316  
Filed : November 7, 2001  
Inventors : Hiroki Nakamaru  
: Haruhiko Miyazawa  
: Yoshiei Kato  
Title : REMEDIATION METHOD OF  
: MEDIA AND IRON POWDER  
: FOR DEHALOGENATION OF  
: HYDROGENATED  
: HYDROCARBONS



035811

PATENT &amp; TRADEMARK OFFICE

Docket No.: 1321-01

Confirmation No.: 7966

Dated: May 13, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Certificate of Mailing Under 37 CFR 1.8

For

Postcard

Amendment Transmittal Letter, in duplicate

Amendment

Extract from Homepage of Fisher Scientific

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date appearing below.

Name of Applicant, Assignee, Applicant's Attorney  
or Registered Representative:

Piper Rudnick LLP  
Customer No. 35811

By: \_\_\_\_\_

Date: \_\_\_\_\_

13 MAY 2003

Attorney Docket No.: 1321-01

In re Application of Hiroki Nakamaru et al.

Serial No.: 10/045,316

Filed: November 7, 2001

For: REMEDIATION METHOD OF MEDIA AND IRON POWDER FOR  
DEHALOGENATION OF HYDROGENATED HYDROCARBONS

COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment in the above-identified application.

— Small entity status of this application under 37 CFR §1.9 and §1.27 has been established by a verified statement previously submitted.

— A verified statement to establish small entity status under 37 CFR §1.9 and §1.27 is enclosed.

☒ No additional fee is required.

The fee has been calculated as shown below:

(Col. 1)

(Col. 2) (Col. 3)

SMALL ENTITY

OTHER THAN  
SMALL ENTITY

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PRE- VIOUSLY PAID FOR	PRESENT EXTRA
TOTAL	* 8	-	** 20 =	0
INDEP.	* 1	-	*** 3 =	0
<input type="checkbox"/> First presentation of multiple dependent claim				

RATE	ADD'L FEE
x 9 =	\$
x 42 =	\$
+ 140 =	\$

OR

RATE	ADD'L FEE
x 18 =	\$
x 84 =	\$
+ 280 =	\$

TOTAL ADDITIONAL FEE \$0


OR

\$

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
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The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

- ☐ Please charge my Deposit Account No. 50-1442 in the amount of \$\_\_\_\_\_.  
A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$\_\_\_\_\_ is attached.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 13-3405. A duplicate copy of this sheet is enclosed.
- ☒ Any filing fees under 37 CFR §1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 CFR §1.17 with the exception of the Issue Fee which we intend to pay by check.

  
\_\_\_\_\_  
T. Daniel Christenbury  
Reg. No. 31,750  
Attorney for Applicant(s)

TDC:lh  
(215)656-3381

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1754  
Examiner : Anthony J. Kuhar  
Serial No. : 10/045,316  
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: HYDROCARBONS



035811

PATENT &amp; TRADEMARK OFFICE

Docket No.: 1321-01

Confirmation No.: 7966

Dated: May 13, 2003

AMENDMENT

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is in response to the Official Action dated February 13, 2003. Kindly amend the application as follows:

In the Claims

Claim 1 (currently amended): A method of remediating [selected] media contaminated with halogenated hydrocarbons comprising:

forming Fe-S based inorganic compounds mainly comprising sulfur on at least portions of surfaces of [contacting] iron powder containing about [0.03] 0.1 to about 2% by mass of sulfur as the composition, based on the mass of the iron powder[.];

[with] contacting the halogenated hydrocarbons contained in the media with the iron powder;  
and